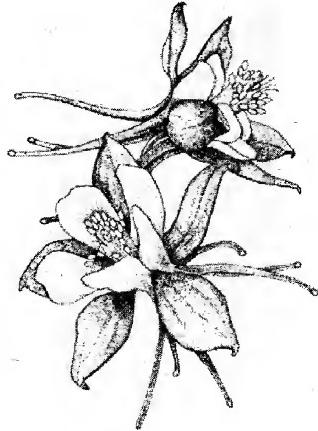


Aquilegia



Newsletter of the Colorado Native Plant Society

"... dedicated to the appreciation and conservation of the Colorado native flora"

Volume 27 Number 2

FIELD TRIP EDITION

March - June 2003

Annual Western Slope Field Trip and Board Meeting

Date: May 17-18th

Field trip to Raven Ridge all day Saturday and meeting in Rangeley on Sunday morning. For the Field Trip, meet at 9 a.m. at the intersection of Highway 64 and the Bonanza Highway (Rd. 21), about halfway between Dinosaur and Rangely (10 mi. from each), where we'll leave the highway to go to Raven Ridge. Rusty Roberts, recently retired from the White River BLM in Meeker, will lead the field trip. The timing should be good for Penstemon *tahamii*. For more information, contact Jeanne Wenger at 970-256-9227 or (bluecrow2u@aol.com)

Tour of Lasater Ranch

Date: May 24, meet at 9:30 AM

Organizer: John Giordanengo

Tour Leader: Dale or Alex Lasater

This trip is a rare opportunity to see a well cared for privately owned and operated cattle ranch in Matheson, Colorado (East of Colorado Springs). The Lasaters raise grass-fed only beef with no antibiotics or other chemicals. This ranch has received numerous awards, including wildlife conservation awards. Even the riparian corridor is in excellent condition, so they must be doing something right! This trip will include a 2-3 hour tour in the morning, lunch at the family lodge (hamburgers, \$4), and discussion about the Lasater Family ranching philosophy to conserve natural resources and produce healthy cattle. Besides being a beautiful eastern plains ranch, the highlights include rare grasses in the cottonwood riparian area, and of course, what spring bloomers we may find. Limit between 12 and 20 people. If interested, please call John at 303-485-9838 for date and time, or send him an e-mail at john@aloterra.us.

Flora of Southeastern Utah San Juan County, Utah

Date: May 24 and 25, 2003

Trip Leader: Arnold Clifford, Navajo Botanist and Geologist

Arnold Clifford will lead a field trip to visit some of the rare and endemic plants of southeast Utah. Meet at Nizhoni Campground on Friday, May 23rd (approx. 12 - 14 miles north of Blanding on

Blue Mountain Road). With this two full-day field trip, we'll explore the Abajos, Bear's Ears, north Elk Ridge, Natural Bridges and Moqui Dugway. Some species of interest include *Erigeron compositus*, *Penstemon latus*, *Cymopterus beckii* and *Penstemon navajo*. Details of the trip will be available in late April. To be placed on the mailing list, contact Charlie King, 483 Cliffside Place, Pagosa Springs, CO; 81147 (970-731-4794).

Beginner Wildflower Identification

Date: Saturday, May 31st, 9 am -2 pm

Trip Leader: Sue Kamal

Place: South Boulder Creek Trail Head, (Boulder Open Space). On HWY 93, just north of the Eldorado Springs Road. Contact: Sue Kamal, e-mail Sue.Kamal@unco.edu, or phone 970-351-1512 to Register. Limit 15 people.

Come learn to key out wildflowers! Sue Kamal is a Science Educator at University of Northern Colorado, assisting K-12 science teachers around the state. This is more of an "outdoor classroom" than a hike and is intended for those who don't know how to use a key and would like to learn. We will use Janet Wingate's Rocky Mountain Wildflower Finder, an easy, non-intimidating (but not watered down!) key. Bring your own copy, or plan to purchase one there for about \$4. If you have other keys you'd like to use, please bring them too! A hand lens is helpful but not required, we will have those on hand for purchase as well. Please wear sturdy hiking shoes, bring water, lunch, a hat, sunscreen and raingear.

"*Field Trips*" continues on page 2

Contents

About the Society	7
Announcements	5
Articles	3-4, 5
Calendar	8
Chapter News and Announcements	6
Membership in the Society	7
Society News and Announcements	1-2

"Field Trips" continued from page 1**Owl Canyon****Date: Saturday, June 7, 10 am - 4 pm****Trip Leaders: Mark Simmons and Jennifer Ackerfield**

Contact Mark Simmons, psimmons@lamar.colostate.edu, 970-491-2154. Please sign up no later than 12 noon, Friday, June 6th. Limit: 15 people. Meeting in the parking lot immediately south of the Anatomy / Zoology Building, off Lake Street (map at: http://www.map.colostate.edu/maincampus.html?main_6-4). We'll carpool from there. Hike through the Owl Canyon Pinon Grove Natural Area, which supports a disjunct, dense population of Pinyon pine (*Pinus edulis*) at the northeastern extremity of its range in North America. The nearest pinyon pine community is about 100 miles distant. Individual trees in the grove are from 200 to 500 years old. The area is study site for the biology of pinyon and its associated biotic community and contains populations of other plant species of special interest such as the uncommon dry-site fern, *Pellaea atropurpurea* (purple cliff-brake). Part of the field trip will involve searching for additional individuals, as requested by the Colorado Natural Areas Program. Bring sturdy hiking shoes, water, lunch, hat, sunscreen and rain gear.

Beginner Wildflower Identification--Grizzly Creek Field Trip**Date: June 21st**

Beginner wildflower identification field trip with emphasis on communities as well as plant families. Contact: Jeanne at 970-256-9227 (bluecrow2u@aol.com).

Subalpine Wildflower Hike Around Long Lake**Date: Saturday, June 28, 8 am - 3 pm****Trip Leader: Gwen Kittel**

Please sign up by 12-noon, Friday June 27th. 303-258-0908, gwen_kittel@natureserve.org. Limit 15 people. Meet at Brainard Lake parking lot at 8 am. Even in drought years, the wetlands along South St. Vrain Creek and Long Lake have had plenty of beautiful flowers. During this easy, 2-3 mile walk on trail and boardwalk, we will see several species of lousewort (*Pedicularis*), Indian paintbrush (*Castilleja*), and Monkey flower (*Mimulus*), among many others. Bring your favorite wildflower key, a hand lens, lunch, water, hat, rain gear and wear sturdy hiking shoes.

Haviland Lake**Date: June 28, 2003****Trip Leader: Leslie Stewart and Sandy Friedley**

We'll be visiting the wet meadows north of Haviland Lake in order to observe the summer flora of this area. This incredibly diverse locale is home to *Aralia racemosa* (American spikenard), *Cypripedium calceolus* (Yellow lady slipper orchid) and *Sisyrinchium montanum* (mountain blue-eyed grass). Meet at 10 a.m. at the Haviland Lake turnoff approximately 20 miles north of Durango on U. S. Highway 550. Call Leslie Stewart at 970-882-7241 for more information.

Forest Health Monitoring With Lichens Field Trip**Date: July 12th****Trip Leader: Paul Rogers**

Paul Rogers, Lichenologist with the USDA Forest Service Forest

Health, will identify tree lichens on the Grand Mesa and demonstrate how lichens are used to monitor forest health and air quality. \$15 registration fee. Limit 20 people. For registration, please contact Gay Austin at 970-641-6264 or austinaceae@frontier.net.

Alpine Flora of the La Plata Mountains**Date: July 19, 2003****Trip Leader: Marion Rohman**

Marion and Peter Rohman will lead us to botanize the alpine slopes of Helmet Peak. The field trip will involve some moderate hiking. Meet at 9 AM at the Conoco gas station in Mancos. Call Marion Rohman at 970-565-9327 for more information.

Research Natural Area Survey, Gunnison Basin**Dates: July 19-20th****Trip Leader: Gay Austin**

Help is needed to survey potential Research Natural Area(s) in the Gunnison Basin, including Willow Creek (LaGarita Wilderness), Blackwall Mountain (Big Blue Wilderness) or Wager Gulch Fen. Surveyors could pick their own dates to survey or else join this group on July 19-20th. Methods used will follow Colorado Natural Areas Program (CNAP) protocols. Moderate hiking and camping involved. Contact Gay Austin at austinaceae@frontier.net or 970-641-6264 for more information.

Great Sand Dunes National Monument and Preserve**Date: July 19 and 20th, 2003****Trip Leader: Phyllis Pineda**

Saturday, 19 July: Hike Mosca Pass, lunch at the pass and return. The hike up Mosca Pass accesses a variety of montane habitats as we gain elevation. This hike is not too strenuous, but is steep in places. Bring plenty of water and a sack lunch. Sunday, 20 July: We will visit The Nature Conservancy's Medano-Zapata Ranch to see *Cleome multicaulus* and other wetland plants. We will focus on sand dune habitat, interdunal wetland habitat and other rare creatures. Transportation will be provided. Fees to the park for participants will be waived that weekend. The VIP group campsite is reserved for the 18th and 19th. No charge for camping for CONPS members. The nearest town with lodging is Alamosa, about a 45-minute drive from the Great Sand Dunes. There is additional lodging at the Great Sand Dunes Oasis, just outside the monument boundary (not a part of the monument). The telephone number there is (719) 378-2222. Contact Phyllis Pineda for details., Phyllis_Pineda@NPS.gov, (719) 378-6363.

Elevational Transect of Willows through Coal Creek Canyon**Date: Saturday, July 26, 9 am - 4 pm****Trip Leader: Gwen Kittel**

Sign up by noon Friday, July 25th, gwen_kittel@natureserve.org, 303-258-0908. Meet at South Boulder Creek Trail Head (Boulder Open Space) at 9 am (On HWY 93, just north of Eldorado Springs Road (HWY 170), it's the first available left turn after the trailer park, traveling north) Learn to identify willows with vegetative characters alone. We will start on the plains and work our way up in to the subalpine (via car with some hiking). This is the same trip offered last year.

COLORADO NATIVE PLANT SURVEY - VOICES OF THE GREEN INDUSTRY

PART II

LAUREL E. POTTS, MSc, CONPS Board member and Co-Chair, Horticulture and Restoration Committee; assisted by MICHAEL J. ROLL, CSU Cooperative Extension Service, and STEPHEN J. WALLNER, Chairman, CSU Department of Horticulture & LA

Nursery and Garden Center Concerns

50 % of the respondents discussed propagation requirements: specifically, 25% mentioned poor germination (inconsistency and viability issues), and 13% cited extremely slow germination rates. Though research on the successful propagation of many native species is being done on a limited basis, most respondents said the time and resources required for the research limits their involvement with the more difficult to propagate species. Specific propagation guidelines would be extremely valuable. 19 % mentioned a need for more planting media and production research. Information is needed about evaluating soilless mixes, including components other than peat, perlite, and vermiculite, such as coir and native soil. Container production limitations were mentioned, including poor overwintering, and the relationship between different potting media and establishment success upon outplanting.

13 % discussed provenance and other issues of genetic variability. Respondents discussed genetic differences that affect the ability of native species to successfully establish in regions with varying altitude, latitude and precipitation and how inherent genetic variation affects wildland seed collecting and outplanting issues.

13 % mentioned the use of mycorrhizae in container production.

13 % of nursery and garden center respondents, and 33% of landscape architects and design respondents, wanted to see improvements in retail quality native plant material. Better consistency of product and meeting the increasing demand for larger-sized native plant material was reported.

13 % reported the need for more cultural and other information to aid in the marketing of native plants. Respondents suggested that the industry produce more information to help nurseries and garden centers better market native plants (training sessions and workshops for staff and the public, signage, brochures, posters, pot tags, and demonstration gardens). The industry also needs to provide consumers (including landscape contractors and associated trades) with

information about how to use and care for native plantings.

Seed Company Concerns

33 % of the respondents reported the lack of commercially available seeds for many species.

Landscape Architect/Design Concerns

87 % of the respondents cited perception differences as a limitation to their work with native plants. There is a need to educate clients and the public that native plantings often take longer to establish. Native plantings and natural areas often look unkempt. This problem can be solved through creativity and signage that indicates "evidence of care." Education will lead to better public acceptance. We should strive to move beyond judging a project's virtue solely based on what it looks like and allow ecological function to play an equally vital role when choosing plant material. 67 % cited problems with maintenance of native plants in landscapes and restoration sites. This issue causes many problems and is often the reason why a project is not adopted in the first place or is not successful over time. Clients, facility managers, and the maintenance industry need to be educated about the differences in maintaining traditional versus native landscapes. The tendency to overwater and overfertilize should be resisted, however, native plantings still need care in the establishment phase regardless of the project.

33 % mentioned the need for long-term experimentation over broad bioregions. Created landscapes can be used as "living laboratories" and may help develop sustainable landscape solutions along various gradients (elevation, latitude, and precipitation), and along the rural-to-urban continuum.

Problem Plants - (most challenging to propagate and produce):

Beardtongue - *Penstemon spp.*

Manzanita - *Arctostaphylos spp.*

Indian paintbrush - *Castilleja spp.*

Juniper - *Juniperus spp.*

Singleleaf ash - *Fraxinus anomala*

Mexican cliffrose - *Purshia mexicana*

Scarlet gilia - *Ipomopsis aggregata*

Barberry - *Mahonia spp.*

Monkshood - *Aconitum columbianum*

Antelope bitterbrush - *Purshia tridentata*

Best Sellers - (top 4 for each respondent category):

Nurseries and Garden Centers

Beardtongue - *Penstemon spp.*

Serviceberry - *Amelanchier spp.*

Red-osier dogwood - *Cornus sericea*

Skunkbush sumac - *Rhus trilobata*

Seed Companies

Beardtongue - *Penstemon spp.*

Prairie flax - *Linum lewisii*

Colorado blue columbine - *Aquilegia caerulea*

Western wheatgrass - *Pascopyrum smithii*

Landscape Architects and Designers

Sagebrush - *Artemisia spp.*

Currant - *Ribes spp.*

Mountain mahogany - *Cercocarpus spp.*

Buffaloberry - *Shepherdia spp.*

Our survey defined the current status of Colorado's Green Industry's native plant sector. Many problems were identified, which can guide efforts to develop solutions. These solutions may come through the Land Grant University system, other state or county agencies, and private efforts. Although the pace of growth is slow, interest is definitely increasing in regionally appropriate landscape materials and in creating a regional sense of place by using native plants as a unique design element. Industry leaders and associated entities should join in a collaborative effort to share information and experiences that will help meet the increasing demand for native plants and create pertinent information, education, and research.

"Survey" continues on page 4

"Survey" continued from page 3**REFERENCES**

- 1) Anella LB. 2000. Debunking native myths. American Nurseryman Aug 15: 39-40, 42, 44.
- 2) Beatty RA. 1981. Ornamental horticulture redefined. HortScience 16:614-618.
- 3) Nassauer JI. 1988. The aesthetics of horticulture: neatness as a form of care. HortScience 23: 973-977.
- 4) [PEO] Presidential Executive Order #13112. 3 February 1999. Invasive species.
- 5) Rosentreter R. 1994. Displacement of rare plants by exotic grasses. In: Monsen SB, Kitchen SG, editors. Proceedings, Ecology and Management of Annual Rangelands; 1994 Sept; USDA Forest Service, Intermountain Research Station. General Technical Report INT-GTR-313. p170-174.
- 6) [SCEO] State of Colorado Executive Order D 00699. 19 July 1999. Development and implementation of noxious weed management programs.
- 7) Sheley RL, Petroff JK, editors. 1999. Biology and management of noxious rangeland weeds. Corvallis (OR): Oregon State University Press. 464 p.
- 8) Smith F. 1996. Biological diversity, ecosystem stability and economic development. Ecological Economics 16:191-203.

Post-Survey comment: Though this survey was done several years ago, much of it is more pertinent with the current drought situation. Crises can be the best motivators to reexamine common practices. The Green Industry is certainly experiencing an increased demand for native species in the marketplace from the general retail customer to more inclusion into built landscape designs and plantings. Questions or comments can be sent to Laurel at kalmia@rifle.net.

Field Trips" continued from page 2**Beginner's Wildflower Identification Workshop/Field Trip.**

Dates: July 26-27th, 9 AM - 4 PM (tentative dates/times)

Trip Leader: Dr. Keith Longpre

Dr. Keith Longpre will lead a Saturday morning basic plant identification workshop with a Saturday afternoon and Sunday field trip. Relaxed easy walks. \$20 registration fee that includes the cost of the Rocky Mountain Flower Finders book. Contact Gay Austin at austinaceae@frontier.net or 970-641-6264 for more information and registration.

Ice Lakes Basin and South Mineral Creek Field Trip.

Date August 2-3rd -

Trip Leader: Peggy Lyon

Hike 3.5 miles to Ice Lakes on Saturday, then do a half day on Sunday in South Mineral Creek for those who want to camp out. The hike to Ice Lakes Basin is not terribly steep, but a good long day. The elevation gain to the upper basin is 2400 ft. For a shorter hike, stop at the lower basin, avoiding the last, steeper part. See *Draba graminea*, *Eriophorum altaicum* (cottongrass), and 2 unusual ferns. South Mineral Creek waterfalls are just a short walk from the campground and are gorgeous! The road follows the creek, so exploring farther upstream is also easy. For registration and more information, contact Peggy Lyon at 970-626-3195 or peglyon@ocinet.net.

Conifers of the Front Range

Date: Sat. Aug 2

Trip Leader: Vickey Trammell

Meet parking lot of Meyer Ranch Jeff Co Open space park at 8:30am. Learn to identify low elevation conifers, and learn about their ecology and relation to logging and fire. Lunch at the Owl picnic area in Meyer Ranch park. Then we'll carpool to Kenosha pass area (12 to 1pm) and see high elevation conifers. We might park at the Colo trail parking (free) or if there aren't too many cars, at the picnic area parking (fee). Leave by 3 pm. People can either come just for the morning session or for the whole day. Please contact Vickey Trammell, phone 303-795-5843, e-mail vickey.trammell@arapahoe.edu, to register or for more information.

Vega Reservoir Beginner Field trip (Saturday)**"What's a Fen?" Field Trip (Sunday)**

Dates: Aug 16-17th

Leaders: Jeanne Wenger, John Moore and Bob Clarke

Field trips on the Grand Mesa, with optional camp-out Saturday night. For more information and sign-up on the beginner field trip, contact Jeanne Wenger, bluecrow2u@aol.com, 970-256-9227 or John Moore, 970-242-1936. Contact Bob Clarke (970-242-6067) for information on the fen field trip. Bring rubber boots.

Headwater of Rio Chama

Dates: August 16 and 17, 2003

Trip Leaders: Dick Moseley and Charlie King

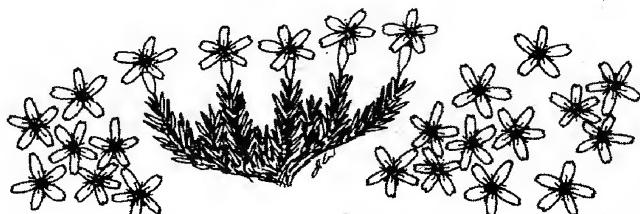
Meet at the Visitor's Center in Chama, New Mexico (intersection of NM Highways 84 and 17) at 10:00 a.m. on Saturday August 16th. We'll head north up the valley of Rio Chama to botanize for the weekend. Primitive campsites are abundant throughout the valley. Details of the trip will be available in early June. Contact Dick Moseley, 67 Perry Drive, Pagosa Springs, CO; 81147 (970-731-5918) to be placed on the mailing list.

Sixth Annual Middle St Vrain Weed Survey Backpack Trip

Dates: Aug 23-24, 2003

Leader: Pat Butler

In partnership with the USFS and Colorado Mountain Club, we will backpack approx. 5 miles (and about 1500 feet elevation gain) into the Middle St Vrain Creek drainage in the Indian Peaks Wilderness to monitor and pull several stands of Canada thistle (*breva arvensis*) and yellow toadflax (*linaria vulgaris*) and look for new infestations. After camping around 10,000 feet, we should have time to hike up to Gibraltar Lake and view the St. Vrain glaciers. On Sunday, we will pull and chop the weeds. The worst infestations are near the parking lot, so anyone interested in meeting the group on Sunday afternoon to help pull thistle is welcome! The field trip is limited to 10 people, so register early! To register and receive more information, call Pat Butler at 303-440-0586, or e-mail butler@csd.net.



Field Trips" continued from page 2**Vegetation Through Time At Bent's Old Fort****Dates: August 23-24****Trip Leader: Dexter Hess**

Bent's Old Fort on the Santa Fe Trail in southeastern Colorado was a privately owned trading post active during the 1840's. The site was acquired by the National Park Service in the 1960's, and they have initiated projects to remove non-native vegetation and re-establish the plant cover of the original ecosystem. Many of the plants that were around the trading post in 1845-1846 were described and /or collected and those records are still available. During the field trip on Saturday we will examine five areas; 1) plots monitoring recovery from the fire of 2002, 2) reseeded areas with native grasses and forbs, 3) abandoned farm land now in various stages of secondary succession, 4) farm pasture land, 5) areas where the invasive tamarisk has been removed. On Sunday, if there is sufficient interest and time permits, we will visit the newly acquired Sand Creek Massacre Site which has never been farmed but has remained in grassland but under varying grazing practices. Please contact Dexter for more information, 719-384-2464, e-mail windfieldbio@centurytel.net Meet at main entrance to Bent's Old Fort NHS on Highway 194, seven miles east of La Junta, CO.

**CELEBRATING WILDFLOWERS
DENVER BOTANIC GARDENS**

The Denver Botanic Gardens is hosting the 2003 "Celebrating Wildflowers" event during the week of May 19-23. The focus this year is on riparian plant species. CONPS board members will be judging entries in a native plant coloring contest. CONPs members can volunteer to interact with teachers, parents and school children at DBG from 10 AM -2 PM during the week-long event. Available materials include "Beautiful Discoveries: Plants of the Lewis and Clark Expedition," native plant coloring books for the kids and a beautiful new "Celebrating Wildflowers" poster for the adults. This is a great opportunity to reach Colorado's next generation with information about native plants. Please call Michelle DePrenger-Levin at 720-865-3630 to volunteer.

Workshop Committee Opportunity

This summer there will be an opportunity for CONPS members to become actively involved in the East Slope Workshop Committee. Duties include organizing workshops, handling registration (online and phone), setting up facilities and introducing speakers at the workshops. Three members will be selected from eligible applicants. To apply contact Jill Handwerk at jhandwerk2@earthlink.net or call 970/221-3460.

Awards Nominations

This is the time to honor fellow botanists, CONPS members and plant enthusiasts, for outstanding contributions to the mission of the Colorado Native Plant Society. Awards will be presented at the annual meeting in September. Nominations may be made at

the chapter or state level. Upon approval by the directors, a maximum of ten Recognition Gifts, three Certificates of Merit, three Certificates of Appreciation, three Special Merit Awards, one Honorary Lifetime Membership and one Lifetime Achievement Award may be given annually. Please review the award criteria on the website and submit your nominations to CONPS President Jill Handwerk, PO Box 200, Ft. Collins, CO 80522.

NEW BOOKS & MERCHANDISE

Field Guide to the Wetland and Riparian Plant Associations of Colorado by Kathy Carsey ,Gwen Kittel, Karin Decker, David Cooper and Denise Culver, just published in 2003. Complete keys and guide to Colorado wetlands, based on floristic data from thousands of vegetation stands throughout Colorado. Color photographs, general and vegetation descriptions, ecological processes, and plot data for 184 wetland plant associations. Drawings of dominant species are included for the majority of plant associations. \$30.00 + \$2.75 S/H.

Flora of Gunnison Basin-Gunnison, Saguache, and Hinsdale Counties, Colorado by Joseph Barrell, 1969. These are unused original copies of this classic for our members. This title can be difficult to find. An incredible bargain at \$15.00 + \$2.75 S/H

Alpine Flower Finder. This popular book by Janet L. Wingate and Loraine Yeatts is being reprinted and available in April 2003. This book offers friendly keys and drawings for more than 350 Rocky Mountain alpine plants. \$6.00 + \$2.00 S/H.

Song of the Alpine by Joyce Gelhorn, 2002. Joyce's wonderful book focuses on the strategies for survival of the plants and animals of the alpine tundra and contrasts eloquently its beauty and harshness. \$18.00 + \$2.75 S/H.

CONPS Patches. Our wonderful new patch with columbine logo designed by Carolyn Crawford. These beautiful patches are great for sewing on jackets or packs. \$6.00 + \$.50 S/H.

Call or email Ann Armstrong (303-494-0545, veg@earthlink.net) for other titles, prices and shipping information. Books and merchandise are also available at Society activities. The entire merchandise list will be in an upcoming newsletter and is available on the website, www.conps.org.

DEADLINE APPROACHES
Submit *Aquilegia* contributions by June 15

Submit contributions for Vol. 27, No. 3 of *Aquilegia* on or before June 15. Articles not exceeding 1000 words are especially welcome. Previously published articles submitted for reprinting require permission. Include author's name, address and affiliation; anonymity may be requested. Follow the format from previous issues closely. Spell check. Submit via e-mail or on disks as an MS Word or rtf (rich text format document). See page 7 for additional information.

CHAPTER NEWS

Volunteers Needed

Assist with a pollination ecology study in the Arkansas River Valley in central and southeastern Colorado in June & July. Research will assess the role of pollinators in the ecological needs of three plant species known only from this area: Arkansas Valley evening primrose (*Oenothera harringtonii*), Degener beardtongue (*Penstemon degeneri*), and Roundleaf four-o'clock (*Oxybaphus rotundifolius*). Preference will be given to volunteers who can commit to 3 or more days in the field. Good physical condition for up to 2 miles of hiking per day is required. Contact Susan Spackman Panjabi, Botanist, Colorado Natural Heritage Program, (970) 491-2992 or spack@lamar.colostate.edu.

Boulder Chapter

Natives are gorgeous additions to any garden. They need virtually no water or care—a real plus in these dry years—and support our local ecology. Naturalist and gardener Dave Sutherland will share information and tips so you can enjoy Boulder's wildflowers in your own yard.

Gardening with Native Flowers
1-2 p.m. Sat, May 31
David Sutherland and Mikl Brawner
Location: Harlequin's Gardens, 4795 North 26th St, Boulder.
Information: 303-939-9403

Gardening with Native Flowers
1-3 p.m. Sat, June 7
Dave Sutherland
Location: Chautauqua Ranger Cottage
Information: 303-441-3440

Gardening with Native Flowers
1-2 p.m. Sat, June 14
David Sutherland and Mikl Brawner
Location: Harlequin's Gardens, 4795 North 26th St, Boulder
Information: 303-939-9403

Garden with natives web page:
<http://www.ci.boulder.co.us/openspace/nature/gardens/gardens.htm>

Fort Collins Chapter

Monthly meetings are scheduled October through April at 7:00 PM in room E112 of the Anatomy/Zoology building on the CSU campus. Before each meeting, members are invited to join the speaker at 5:15 PM for dinner at Toy's Thai Cafe on Laurel Street between Mason St. and College Ave. in Fort Collins. For more information, contact Chapter President Annette Miller at (970) 482-3063 or almiller@lamar.colostate.edu.

information, check the Rocky Mt. Chapter's website at: www.rmrp.com/r2tr or the national organization's website at www.nargs.org. Betty Hall is the local contact at phoebesays@juno.com.

November 15, 10:00 AM Fall Potluck and Planning Meeting, Forest Service office in Delta.

Southeast Chapter

Activities for the Southeast Chapter are scheduled throughout the year. For more information, contact President Dan Fosha at (719) 229-0857 or danfosha@aol.com.

ATTENTION MEMBERS

Dan Fosha has moved to Denver, and we need someone to take over the duties of chapter president, which consists primarily of organizing programs and field trips. Dan is happy to assist a new volunteer, and can offer guidance and regular advisement. The duties are not time consuming and you meet a lot of great people. Contact Dan for more information (see above). Please help the SE chapter grow!

Southwest Chapter

For more information regarding news and activities, please contact Chapter President Sandy Friedley at (970) 884-9245 or by e-mail at friedley@frontier.net.

Plateau Chapter

Chapter activities are scheduled throughout the year. For more information, contact Chapter President Jeanne Wenger at (970) 256-9227 and Bluecrow2u@aol.com or Program Chair Lori Brummer at (970) 641-3561 and lbrummer@gunnison.com.

July 7-12 Crested Butte Wildflower Festival. For more information, contact Crested Butte Wildflower Festival, 409 Second St., PO Box 216, Crested Butte, CO 81224. (970) 349-2571.
Email: wildflowerfest@crestedbutte.cc
www.visitcrestedbutte.com

July 13-15th Western slope extension of the North American Rock Garden Society Annual Meeting. The Conference is in Breckenridge July 11-12. Registrants for the post-meeting tour will drive to Grand Junction on July 13 with stops along the way. July 14 is the Grand Mesa Tour. July 15, tour the Western Colorado Botanical Gardens and the garden at the Tri-River Extension Office. For more





Aquilegia

The Colorado Native Plant Society is a non-profit organization dedicated to the appreciation and conservation of the Colorado native flora. Membership is open to all with an interest in our native plants, and is composed of plant enthusiasts both professional and non-professional.

Please join us in helping to encourage interest in enjoying and protecting Colorado's native plants. The Society sponsors field trips, workshops, and other activities through local chapters and statewide. Contact the Society, a chapter representative, or committee chair for more information.

Schedule of Membership Fees

Life	\$250
Supporting	\$50
Organization or Corporate	\$30
Family or Dual	\$20
Individual	\$15
Student or Senior	\$8

Membership Renewal/Information

Please direct all membership applications, renewals, and address changes to the Eric Lane (Chair of Membership), Colorado Native Plant Society, P.O. Box 200, Fort Collins, CO 80522. Please direct all other inquiries regarding the Society to the Secretary at the same address.

Aquilegia is published four or more times per year by the Colorado Native Plant Society. This newsletter is available to members of the Society and to others with an interest in native plants. Articles for *Aquilegia* may be used by other native plant societies or non-profit groups, if fully cited to author and attributed to *Aquilegia*.

Articles not exceeding 2000 words in length and shorter items fewer than 500 words in length, such as unusual information about a plant, are especially welcome. Previously published articles submitted for reprinting require permission. Camera-ready line art or other illustrations are also solicited. Please include author's name and address, although anonymity may be requested. Articles submitted via e-mail or on disks (IBM preferably) are appreciated. Please indicate word processing software and version; if possible, submit as an RTF (rich text format) file.

Please direct all contributions to the newsletter to:

**Alice Guthrie
509 Collyer
Longmont, CO 80501**
**E-Mail: macalice@earthlink.net
guthriea@ci.boulder.co.us**

Officers

President Jill Handwerk ... 970-491-5857
Vice-President David Anderson ... 970-484-0774
Secretary Kim Regier ... 303-556-8309
Treasurer Georgia Doyle ... 970-491-6477

Board of Directors

Jill Handwerk (03)	Fort Collins	970-491-5857
Sue Kamal (03)	Greeley	970-353-9240
Andy Kratz (03)	Lakewood	303-914-8291
Denise Culver (03)	Fort Collins	970-491-2998
Pat Ploegsma (03)	Strasburg	303-622-9439
David Anderson (04)	Fort Collins	970-484-0774
Gwen Kittel (04)	Boulder	303-258-0908
Laurel Potts (04)	Glenwood Springs	970-625-4769
Mark Simmons (04)	Fort Collins	970-491-2154
Neil Snow (04)	Greeley	970-330-4823

Chapter Presidents

Boulder	Kathy Damas	303-543-1492
Fort Collins	Annette Miller	970-495-3240
Metro-Denver	Rita Berberian	303-513-0591
Plateau	Jeanne Wenger	970-256-9227
Southeast	Dan Fosha	719-572-6972
Southwest	Sandy Friedley	970-884-9245

Standing Committees and Chairs

Conservation	Joe Rocchio	720-494-0876
Education and	Jill Handwerk	970-491-5857
Outreach	and Alice Guthrie	303-651-3127
Field Studies	Neil Snow	970-330-4823
Field Trips	Gwen Kittel	303-258-0908
Finance	Denise Culver	970-225-1930
..... and Georgia Doyle	970-491-6477	
Horticulture and	Laurel Potts	970-625-4769
Restoration	and Lisa Tasker	970-544-3633
Membership	Eric Lane	303-239-4182
Newsletter	Alice Guthrie	303-651-3127
Sales	Ann Armstrong	720-564-2052
..... Sue Kamal	970-353-9240	
..... and Laurel Potts	970-625-4769	
Rare Plant	Eleanor Monograph	303-756-1400
..... Von Bargen	970-330-4823	
Research Grants	Neil Snow	970-330-4823
Website	Bob Clarke	970-242-6067
Workshop: East	Bill Jennings	303-666-8348
West	Gay Austin	970-641-6264

MEMBERSHIP APPLICATION AND RENEWAL FORM

Name(s) _____
Address _____
(Address) _____
City _____ State _____ Zip _____
Phone (_____) _____ E-mail _____

Chapter: Boulder Fort Collins Metro Denver Plateau Southeast Southwest

In addition to my membership, I have included \$_____ as a contribution to the John Marr Fund (endowment in support of small grants-in-aid of research), \$_____ as a contribution to the Myrna P. Steinkamp Memorial Fund (endowment in support of small grants-in-aid of research), or \$_____ as a general contribution to the Society.

MEMBERSHIP CLASS:

- Dues cover one calendar year.
 Individual, \$15.00
 Family/dual, \$20.00
 Senior, \$8.00
 Student, \$8.00
 Corporate, \$30.00
 Supporting, \$50.00
 Lifetime, \$250.00

CoNPS IS A NON-PROFIT ORGANIZATION — DUES AND CONTRIBUTIONS ARE TAX-DEDUCTIBLE



CALENDAR - 2003

CHAPTER EVENTS

SOCIETY EVENTS

Boulder Chapter

- May 8 Annual Picnic and Hike - 5:30 P.M.
May 31 Gardening with Native Flowers - 1 P.M.
June 7 Gardening with Native Flowers - 1 P.M.
June 14 Gardening with Native Flowers - 1 P.M.

Plateau Chapter

- May 17-18 Field Trip and Board Meeting
July 7-12 Crested Butte Wildflower Festival
July 13-15 Western slope extension of the North American Rock Garden Society Annual Meeting
November 15 Fall Potluck & Planning - 10 A.M.

Southeast Chapter

- May 8 Nebraska Sandhills; Sea of Grass

Annual Meeting

- September 27 The Tivoli on the Auraria Campus, Denver, CO

FIELD TRIPS

See Field Trip listing and check with your local chapter for activities throughout the summer.



P.O. Box 200
Fort Collins, Colorado 80522
<http://www.conps.org>

Place
Stamp
Here

TIME SENSITIVE MATERIAL